

Initial Flight Training Maneuvers Guide

Preflight each flight with different aircraft.

1. Take off and land with the battery facing you.
2. Hover in one spot keeping battery facing you.
3. Rotate left, then rotate right but keep the battery facing you.
4. Hover in place and then turn so UAV faces you. Slowly fly forward / backward / left / right with UAV pointed at you.
5. Fly forward to a spot 20-30 feet away then fly back keeping the battery facing you.
6. Hover and fly to an area on ground 10 feet away, hover and then land at that spot. Return to hover and then fly back and land again.
7. Fly left 10 feet from take-off spot, then fly right 10 feet keeping battery facing you.
8. Keeping the camera pointed forward, fly a four point square box formation going clockwise. Stop and hover at each point before proceeding to the next.
9. Do the same but go counter clockwise, stopping and hovering at each point.
10. In a hover with the battery pointed at you, rotate 360 degrees clockwise.
11. Do the same, this time rotate 360 degrees counter clockwise.
12. In a hover with the battery facing you, rotate 90 degrees to the left and fly a four point square box formation going clockwise. Stop and hover at each point. Return to land.
13. Do the same, this time to the right going counter clockwise.
14. With the battery facing you, fly a circle keeping the altitude the same and the circle as uniform as possible.
15. Hover with the camera pointed at you and keep the UAS in one place.
16. Fly a circle and keep the camera pointed towards you, keeping the altitude the same and the circle as uniform as possible.
17. Fly a four point square box clockwise while keeping the camera pointed at you.
18. Do the same, this time counter clockwise.
19. Fly a four point square box clockwise and rotate the UAS in the direction of travel.
20. Fly a circle counter clockwise and keep the camera pointed in the direction of travel, keeping the altitude the same and the circle as uniform as possible.
21. Fly a circle counter clockwise with the camera pointed at the center of the circle, keeping the altitude the same and the circle as uniform as possible.
22. Fly a figure 8 keeping the camera facing you.
23. Fly a figure 8 with the camera pointed in the direction of travel, keeping the altitude the same and the circle as uniform as possible.
24. Fly figure 8 patterns while experimenting with different orientations.

Emergency Procedures

1. Return home and land mode. With good GPS signal, fly at least 50 feet away and turn off remote controller. UAS will land on GPS
2. Intercepting Return Home and Land Mode. With good GPS signal, fly at least 50 feet away and turn off controller. While UAS is returning, intercept RTH mode by switching the S1 switch from the top position to the middle or lower position. Land UAS without GPS.